



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
STATE PUBLIC HEALTH LABORATORY  
**ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT**

**RECEIVED**

By Carol Day at 10:31 am, Sep 05, 2014

REPORT #7

Complete this report in duplicate at the time of the regular monthly preventative maintenance check, and whenever instrument is repaired. Send copy to Department of Health and Senior Services; retain original in department file.

ALCO SENSOR IV SN 087974	PRINTER SN 08C256372	DATE OF INSPECTION 09/04/2014
LOCATION OF INSTRUMENT (STREET AND CITY) 1700 US HWY 67		TIME OF INSPECTION 6:40 pm

**CHECKLIST:** Place a mark in the box by each item if found to be satisfactory or if operating within established limits. (Write in observed values where determined.) Unmarked items must be corrected before using instrument.

☒ DIGITAL READOUT (ALL ELEMENTS OPERATIONAL)

☒ TEMPERATURE OF ALCO SENSOR (10°C - 40°C)

☒ PRINTER WORKING PROPERLY

☒ TIME AND DATE DISPLAYING PROPERLY

**BREATH ALCOHOL ACCURACY STANDARDS**

☐ SIMULATOR SOLUTION

☒ COMPRESSED ETHANOL-GAS MIXTURE

☒ STANDARD SUPPLIER AIRGAS LOT # AG3322301 EXP. DATE 11/19/2015

☐ SIMULATOR TEMPERATURE (34°C ± 0.2°C) SIMULATOR SN SIMULATOR EXP DATE

☒ CALIBRATION CHECK - (ONLY ONE STANDARD IS TO BE USED PER MAINTENANCE REPORT)

Run three tests using a standard solution. All three tests must be within ±5% of the standard value and must have a spread of .005 or less. Check the box corresponding to the standard solution being used. (PRINTOUT ATTACHED)

☒ 0.100% STANDARD - MUST READ BETWEEN 0.095% and 0.105% INCLUSIVE

☐ 0.080% STANDARD - MUST READ BETWEEN 0.076% and 0.084% INCLUSIVE

☐ 0.040% STANDARD - MUST READ BETWEEN 0.038% and 0.042% INCLUSIVE

TEST 1 → .095

TEST 2 → .095

TEST 3 → .095

☒ RFI DETECTOR OPERATING

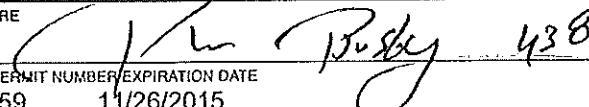
**INDICATE THE NUMBER OF BREATH TESTS IN THE FOLLOWING RANGES SINCE THE LAST MAINTENANCE REPORT:  
(DO NOT INCLUDE SELF-ADMINISTERED TESTS)**

REFUSALS	2	(0-.04)	0	(.05-.09)	0	(.10-.14)	0	(.15-.19)	0	(OVER .19)	0
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List any new parts and describe any alteration or modification that was made to restore the instrument to operate satisfactorily and within established limits (use other side if necessary).

**INSTRUMENT WORKING WITH IN D.O.H GUIDELINES**

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME PHILIP G. BUSBY #438
TYPE II PERMIT NUMBER/EXPIRATION DATE 230259 11/26/2015	TELEPHONE NUMBER (314) 831-7000

Return completed report to the: Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office  
2875 James Boulevard  
Poplar Bluff, MO 63901



Airgas USA LLC (LAB)  
3500 Bernard Street  
St. Louis, Mo. 63103  
Ph: (314) 533-3100  
Fax: (314) 533-7328

## Certificate of Analysis

Customer Name  
Intoximeters, Inc.  
2081 Craig Road  
St. Louis, Mo 63146

Test Date: 20-Nov-2013

Lot # AG332301

<u>Exp. Date</u>	<u>Cyl. Type</u>	<u>Component</u>	<u>Certified Concentration</u>
19-Nov-2015	108	Ethanol	0.100 ± 2% BrAC (272 ppm)
		Nitrogen	Balance

Certification Traceable to N.I.S.T. RGM Ethanol Standards:

<u>Serial No.</u>	<u>Concentration</u>	<u>Serial No.</u>	<u>Concentration</u>
EB0010581	391.8 ppm	EB0010603	392.5 ppm
EB0010570	259.8 ppm	EB0010559	258.9 ppm
EB0010285	209.0 ppm	EB0010595	208.9 ppm
EB0010561	103.7 ppm	EB0010562	104.9 ppm
EB0010681	52.22 ppm	EB0010579	52.94 ppm

Analytical Method: NDIR

Digitally signed by Quality Control  
Date: 2013.11.20 15:33:36 -06:00  
Reason: Dry gas standard certification of analysis  
Location: Airgas USA LLC (Lab)

Analyst: \_\_\_\_\_

  
Rod Marsala

ISO 17025:2005 A2LA accredited. Certificate Number 2989.01

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AS IV Serial no: 087974  
Version no: 004C

TEST RECORD 00468

Temp Date Time 210L

Air Blank: 09/04/14 18:47 .000

Calibration Check: 25 09/04/14 18:47 .095

Subject Name

MAINTENANCE

Subject I.D.

Operator Name, I.D.

P. BUSBY 438

Location

1700 US 67

000

AS IV Serial no: 087974  
Version no: 004C

TEST RECORD 00467

Temp Date Time 210L

Air Blank: 09/04/14 18:45 .000

Calibration Check: 24 09/04/14 18:45 .095

Subject Name

MAINTENANCE

Subject I.D.

Operator Name, I.D.

P. BUSBY 438

Location

1700 US 67

Subject I.D.

000

AS IV Serial no: 087974  
Version no: 004C

TEST RECORD 00466

Temp Date Time 210L

Air Blank: 09/04/14 18:43 .000

Calibration Check: 24 09/04/14 18:43 .095

Subject Name

MAINTENANCE

Subject I.D.

Operator Name, I.D.

P. BUSBY 438

Location

1700 US 67

000

AS IV Serial no: 087974  
Version no: 004C

TEST RECORD 00470

Temp Date Time 210L

Void: RFI

12 09/04/14 18:50

Subject Name

MAINTENANCE

Subject I.D.

Operator Name, I.D.

P. BUSBY 438

Location

1700 US 67



STATE OF MISSOURI  
DEPARTMENT OF HEALTH AND SENIOR SERVICES  
BREATH ALCOHOL PROGRAM

2

PERMIT  
TYPE II

PHILIP G BUSBY

is hereby authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field service and repairs, and operate the following breath analyzer(s):

**ALCO-SENSOR IV WITH PRINTER, INTOX EC/IR II**


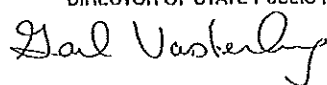
for the determination of the alcoholic content of blood from a sample of expired air. Permit issued under the provisions of sections 577.020 through 577.041, RSMo and 306.111 through 306.119 RSMo.

DATE 11/26/2013

NUMBER 230259

EXPIRES 11/26/2015

MO 580-0771 (6-10)

  
\_\_\_\_\_  
DIRECTOR OF STATE PUBLIC HEALTH LABORATORY  
  
\_\_\_\_\_  
,acting director  
DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (R6-10)

	STATE OF MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES BREATH ALCOHOL PROGRAM
	<b>INSTRUMENT OPERATOR CARD</b>
<small>The named cardholder is authorized to operate an evidential breath alcohol instrument for the determination of the alcoholic content in breath form of expired air in Missouri.</small>	
	
Operator BUSBY, PHILIP Permit No 230259 Date Issued 11/26/2013 Date Expires 11/26/2015	